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May 1963

PHOTOGRAPHIC INTERPRETATION REPORT

MISSION COVERAGE INDEX
MISSION GRC 144
28 MARCH 1963



ARMY



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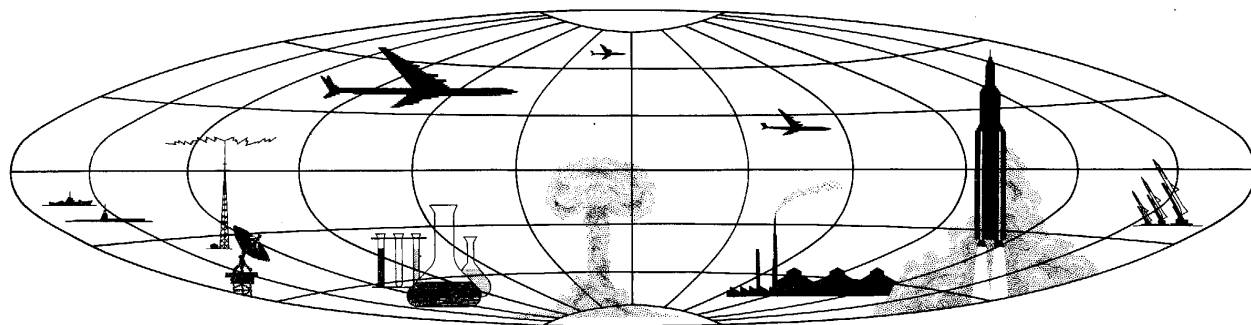


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PREFACE

This Mission Coverage Index (MCI) furnishes a listing of intelligence targets covered by aerial photographic material from CHURCH DOOR Mission GRC 144, made available to the US Government by the GRC. The listing provides the latest description based on photographic interpretation for each target covered by the mission except for those targets in which no significant change was noted. Items in the listing are arranged by (1) WAC area within the country and (2) coordinates reading from south to north and from west to east. An explanation of column headings and photo reference data used in presenting the information is contained in the appendix.

For convenience of the user, a subject index to the intelligence targets has been included following the listing. Targets in the subject index are listed (1) by category and (2) alphabetically by place name.

The user of this MCI is cautioned that the scan of photography from Mission GRC 144 was accomplished in a relatively short time and often without the aid of precise analytical and mensural techniques commonly employed in detailed photographic analysis. Consequently, although the information presented herein is essentially accurate, additional, detailed analysis may somewhat alter portions of the information.

Mission GRC 144 of 28 March 1963 provided photo coverage of the Tu-ko-ma-ching Test Range, [REDACTED] the Pao-tou Area Industrial Complex, and Chiao-hsien and Ching-sui-ho Airfields on which BEAGLE aircraft were observed.

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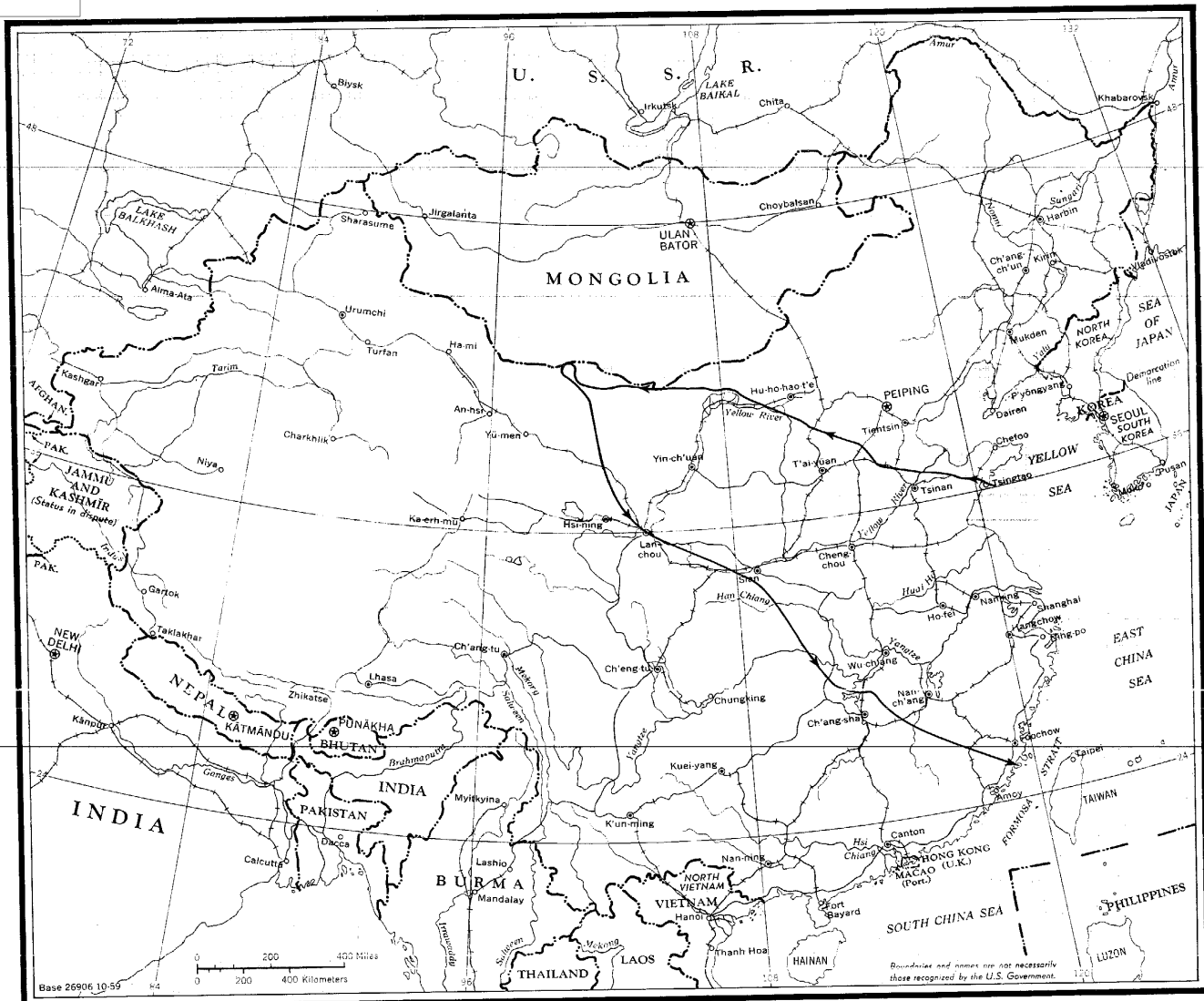
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APPROXIMATE TRACK OF MISSION GRC 144.

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City, Installation	Coordinates	WAC	Installation Numbers	
			BE	NPIC
<p><u>-CHINA-</u></p> <p>SHUANG-CHENG-TZU MISSILE TEST CENTER HAZE AND OBLIQUITY PRECLUDE DETAILED ANALYSIS. THERE ARE INDICATIONS OF CONTINUED ACTIVITY. SEE NPIC</p> <p>[REDACTED] HAZE, OBLIQUE</p>	4105N 10015E	0287		1
<p>SHUANG-CHENG-TZU AREA, MICROWAVE TOWER 72 NM NE OF SHUANG-CHENG-TZU. ONE LARGE LATTICE MICROWAVE TOWER WITH SMALL ASSOCIATED BUILDING.</p> <p>[REDACTED] CLEAR</p>	4122N 10043E	0287		1-I
<p>SHUANG-CHENG-TZU AREA, AIRSTRIP APPROXIMATELY 77 NM NNE OF SHUANG-CHENG-TZU. 2,700 X 150 FT NW/SE NATURAL SURFACE RUNWAY, SERVICEABLE. AIRCRAFT -- NONE OBSERVED.</p> <p>[REDACTED] CLEAR</p>	4154N 10102E	0287		1-F
<p>SHUANG-CHENG-TZU AREA, BKS & ELECTRONICS FAC APPROXIMATELY 77 NM NNE OF SHUANG-CHENG-TZU. AREA CONTAINS 9 ADMINISTRATIVE-TYPE BUILDINGS, APPROXIMATELY 65 BARRACKS, SECURED STORAGE AREA WITH 6 BUILDINGS, SECURED OPEN STORAGE AREA, NUMEROUS SUPPORT/STORAGE BUILDINGS, PROBABLE COMMUNICATIONS SITE WITH 4 STICK MASTS, AND SECURED METEOROLOGICAL SITE CONTAINING 3 PROBABLE INSTRUMENTATION STRUCTURES AND 2 STICK MASTS.</p> <p>[REDACTED]</p>	4207N 10103E	0287		1-E

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City, Installation	Coordinates	WAC	Installation Numbers	
			BE	NPIC
LIN-HO, STORAGE AREA APPROXIMATELY .5 NM SOUTH OF LIN-HO. AREA CONTAINS APPROXIMATELY 200 WAREHOUSES, RAILROAD CLASSIFICATION YARD, AND POWER PLANT. [REDACTED] HAZE, OBLIQUE	4046N 10720E	0288		25
PAO-TOU AREA, INDUSTRIAL COMPLEX 8 NM NW OF PAO-TOU. COMPLEX INCLUDES 4 LARGE INDUSTRIES -- COKE, IRON, AND STEEL MILLS, ALUMINUM PLANT, VEHICLE MANUFACTURING PLANT (POSSIBLY TANKS OR SP GUNS), AND UNIDENTIFIED HEAVY FABRICATION INDUSTRY. SEVERAL SMALLER INDUSTRIES, 2 LARGE THERMAL POWER PLANTS, NUMEROUS WAREHOUSES, 2 NEW, LARGE HOUSING AREAS, AND OPEN STORAGE AREAS, INCLUDING POL STORAGE, ARE ALSO PRESENT. RAIL SERVED. [REDACTED] CLEAR	4039N 10951E	0288		13-E
TU-KO-MA-CHING, TEST RANGE LOCATED 4.9 NM WEST OF TU-KO-MA-CHING. AT LEAST 10 CONFIGURATIONS OF LAUNCH/FIRING POSITIONS HAVE BEEN IDENTIFIED, AND THEY ARE PARTIALLY ENCLOSED AND SEPARATED BY BLAST WALLS. SOME TIE-DOWN POINTS ARE SIMILAR TO THOSE OBSERVED AT THE CRUISE-MISSILE SITE NEAR LU-SHUN (PORT ARTHUR) AND AT LAUNCH COMPLEX C OF THE SHUANG-CHENG-TZU MISSILE TEST CENTER. THEY ARE ALSO SIMILAR TO SOME ARTILLERY TIE-DOWN POINTS AT PROOF TESTING RANGES. THERE ARE A TOTAL OF 22 LAUNCH/FIRING POSITIONS. TWENTY-EIGHT AND PROBABLY 29 INSTRUMENTATION TOWERS EXTEND IN A LINE FOR	4051N 10941E	0288		18

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City, Installation	Coordinates	WAC	Installation Numbers	
			BE	NPIC
<p>APPROXIMATELY 13 NM DOWNRANGE FROM THE LAUNCH/FIRING POSITIONS. THESE TOWERS VARY IN SEPARATION BUT A REPRESENTATIVE FIGURE IS 3,600 FT.</p> <p>A RAIL-SERVED SUPPORT AREA ADJACENT TO THE LAUNCH/FIRING AREA CONTAINS 24 BUILDINGS INCLUDING A HEATING/POWER PLANT, A SOLID PROPELLANT AND/OR EXPLOSIVES HANDLING FACILITY, SHOPS, AND STORAGE BUILDINGS. AN ASSOCIATED HOUSING AREA CONTAINING 18 BUILDINGS AND A SECURED SOLID PROPELLANT AND/OR EXPLOSIVES STORAGE AREA CONTAINING 6 BUILDINGS ARE LOCATED NEARBY. AN UNIDENTIFIED SECURED FACILITY CONTAINING 3 BUILDINGS, A SEMIBURIED STRUCTURE, AND AN EARTHEN BLAST WALL IS LOCATED 3 NM DOWNRANGE.</p> <p>[REDACTED] CLEAR</p>				
<p>PAO-TOU AIRFIELD</p> <p>1.5 NM SSW OF PAO-TOU.</p> <p>4,500 X 330 FT NW/SE CONCRETE RUNWAY, SERVICEABLE.</p> <p>AIRCRAFT -- ONE COLT.</p> <p>[REDACTED] CLEAR</p>	4034N 11000E	0288	[REDACTED]	13-B
<p>PAO-TOU COMPLEX</p> <p>COMPLEX, APPROXIMATELY 10 SQ MI IN AREA, COMPRISES SEVERAL LIGHT INDUSTRIES, WAREHOUSE AND OPEN STORAGE AREAS, RAILROAD CLASSIFICATION YARD, SMALL AIRFIELD, AND NEW HOUSING.</p> <p>[REDACTED] CLEAR</p>	4035N 11001E	0288	[REDACTED]	13-C

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City, Installation	Coordinates	WAC	Installation Numbers	
			BE	NPIC
SHIH-KUEI-TSUN, COAL MINING AREA SHIH-KUEI-TSUN VICINITY AND 15 NM ENE OF PAO-TOU. COMPLEX COMPRISES 4 RAIL-SERVED COAL MINES (2 APPROXIMATELY 2 NM NE, ONE APPROXIMATELY 2 NM SE AND ONE APPROXIMATELY 4 NM SE OF SHIH-KUEI-TSUN), EXPLOSIVES PREPARATION/ASSEMBLY AREA CONTAINING APPROXIMATELY 35 BUILDINGS (10 REVETTED) APPROXIMATELY 4 NM NORTH OF SHIH-KUEI-TSUN, AND EXPLOSIVES STORAGE AREA CONTAINING 6 REVETTED BUILDINGS APPROXIMATELY ONE NM EAST OF EXPLOSIVES PREPARATION/ASSEMBLY AREA. [REDACTED] CLEAR	4040N 11018E	0288		24
TA-TUNG COMPLEX COMPLEX, APPROXIMATELY 25 SQ MI IN AREA, COMPRISES NUMEROUS MILITARY BARRACKS, 3 RAILROAD YARDS, 2 THERMAL POWER PLANTS, EXPLOSIVES PLANT, STORAGE AREA, AND SEVERAL RAIL-SERVED, UNIDENTIFIED INDUSTRIES. [REDACTED] HAZE, OBLIQUE	4008N 11313E	0288		16
KAO-MI AIRFIELD 2 NM WNW OF KAO-MI. 6,600 X 200 FT NNW/SSE CONCRETE RUNWAY, SERVICEABLE. AIRCRAFT -- 70 FAGOT/FRESCO. [REDACTED] CLEAR	3623N 11942E	0381		28-A
WEI-HSIEN AIRFIELD 3.5 NM SSE WEI-HSIEN. 7,000 X 270 FT NNW/SSE CONCRETE RUNWAY, SERVICEABLE. AIRCRAFT -- 57 FAGOT/FRESCO. [REDACTED] CLEAR	3639N 11907E	0381		75

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City, Installation	Coordinates	WAC	Installation Numbers	
			BE	NPIC
<p>WEI-HSIEN AREA, BARRACKS AREAS</p> <p>THREE SEPARATE AREAS EXTEND WSW FROM WEI-HSIEN (36-43N 119-06E).</p> <p>AREA A, 2 NM SW OF WEI-HSIEN AT 36-41N 119-03E, CONTAINS 66 BARRACKS, 3 ADMINISTRATIVE AND 31 SUPPORT BUILDINGS, AND 34 UNIDENTIFIED PIECES OF EQUIPMENT.</p> <p>AREA B, 5.5 NM WSW OF WEI-HSIEN AT 36-40N 118-57E, CONTAINS 100 BARRACKS, 12 LONG EQUIPMENT SHEDS, 5 ADMINISTRATIVE AND 194 SUPPORT BUILDINGS, AND 74 UNIDENTIFIED PIECES OF EQUIPMENT.</p> <p>AREA C, 10 NM WSW OF WEI-HSIEN AT 36-39N 118-53E, CONTAINS 70 BARRACKS AND 4 ADMINISTRATIVE AND 58 SUPPORT BUILDINGS.</p> <p>[REDACTED] HAZE, SCATTERED CLOUDS</p>	3641N 11903E	0381		75-B
<p>WEI-HSIEN COMPLEX</p> <p>INDUSTRIAL COMPLEX, SITUATED ON THE PEIPING--CHING-TAO RAILROAD AND 9 SQ MI IN AREA, COMPRISES ONE LARGE UNIDENTIFIED HEAVY INDUSTRY, ONE POSSIBLE TEXTILE MILL, NUMEROUS IRON SMELTERS, EXTENSIVE OPEN STORAGE, AND WORKERS HOUSING.</p> <p>[REDACTED] CLEAR</p>	3643N 11906E	0381		75-A
<p>TSINGTAO SEAPLANE STATION</p> <p>0.7 NM SSW OF CHING-TAO.</p> <p>LARGE HANGAR AT JUNCTION OF CAUSEWAY TO MAINLAND APPEARS COMPLETE. NO OTHER CHANGE IN FACILITIES SINCE [REDACTED]</p> <p>AIRCRAFT -- 5 UNIDENTIFIED AIRCRAFT.</p> <p>[REDACTED] CLEAR</p>	3602N 12017E	0381		13-B

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			BE	NPIC
CHING-TAO (TSINGTAO) COMPLEX APPROXIMATELY 15 SQ MI IN AREA. NO SIGNIFICANT CHANGE	3604N 12019E	0381		13
<p>VESSELS -- 10 SUBMARINES, 3 DESTROYERS, 4 PC, 7 FREIGHTERS, 4 TANKERS, AND 18-20 UNIDENTIFIED VESSELS (INNER HARBOR AREA), 9 PT AND 15 UNIDENTIFIED SMALL CRAFT (OUTER HARBOR AREA), AND ONE UNIDENTIFIED SUBMARINE IN YELLOW SEA MIDWAY BETWEEN MA TAO (36-03N 120-25E) AND TA-KUNG TAO (35-58N 120-29E). (REPORTED IN IPIR FOR MISSION GRC 144, MAR 63, UNDER 2 HEADINGS -- CHING-TAO PORT FACILITIES INNER HARBOR AND CHING TAO, OUTER HARBOR.)</p> <p>SCATTERED CLOUDS, HAZE</p>				
TA-FU TAO (ISLAND) GUN EMPLACEMENTS FIVE GUN EMPLACEMENTS AND EXTENSIVE TRENCHWORKS ON SOUTH TIP OF ISLAND. CLEAR	3606N 12033E	0381		72
CHING-TAO AREA, MILITARY BKS & STGE AREAS CENTERMOST AREA (BARRACKS AREA AT 36-08N 120-29E) 10 NM NE OF CHING-TAO AND 5.5 NM ESE OF TSINGTAO AIRFIELD.	3608N 12029E	0381		13-F
AREAS COMPRISE 5 SEPARATE BARRACKS GROUPINGS AND 2 SEPARATE STORAGE SITES. THREE BARRACKS AREAS ARE LOCATED ALONG THE CHANG-TSUN HO (RIVER) AT 36-07N 120-26E, 36-07N 120-27E, AND 36-08N 120-29E, THE FOURTH IS ADJACENT TO WUANG-KO-CHUANG AT 36-08N 120-32E, AND THE FIFTH IS APPROXIMATELY 3 NM ENE OF TSINGTAO AIRFIELD AT 36-10N 120-27E. THEY CONTAIN A TOTAL OF 87 BARRACKS, NUMEROUS SUPPORT BUILDINGS, 36 ARTILLERY PIECES, 17 VEHICLES,				

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			BE	NPIC
AND APPROXIMATELY 20 UNIDENTIFIED OBJECTS (POSSIBLE ARTILLERY). SECURED STORAGE AREA, 6.7 NM EAST OF TSINGTAO AIRFIELD AT 36-09N 120-31E, CONTAINS ONE ARCHED-ROOF AND 13 OTHER BUILDINGS. UNSECURED STORAGE AREA, .6 NM NORTH OF WUANG-KO-CHUANG AT 36-13N 120-32E, CONTAINS 14 ARCHED-ROOF BUILDINGS (7 UNDER CONSTRUCTION) AND 3 OTHER BUILDINGS. [REDACTED] CLEAR				
TSINGTAO AIRFIELD 3 NM NNE OF CHING-TAO. NW/SE RUNWAY APPARENTLY RESURFACED WITH ASPHALT. BOTH RUNWAYS APPEAR OPERATIONAL. NO OTHER APPARENT CHANGES IN FACILITIES SINCE [REDACTED] AIRCRAFT -- 13 FAGOT/FRESCO AND 2 UNIDENTIFIED TRANSPORT. [REDACTED] SCATTERED CLOUDS	3609N 12023E	0381	[REDACTED]	13-A
LIU-TING AIRFIELD ONLY CHANGES OBSERVED SINCE [REDACTED] [REDACTED] ARE THE ADDITION OF A TOWN RADAR AND THREE 4-GUN AAA SITES (THE ADDITION OF 2 OF THE 3 AAA SITES WAS REPORTED IN MISSION GRC [REDACTED]) AIRCRAFT -- 54 FAGOT/FRESCO AND 2 UNIDENTIFIED SINGLE-ENGINE AIRCRAFT. [REDACTED] CLEAR	3615N 12022E	0381	[REDACTED]	41
CHENG-YANG, UNIDENTIFIED INDUSTRY .5 NM NORTH OF CHENG-YANG. RAIL-SERVED AREA CONTAINS 3 LARGE MONITOR-ROOF AND NUMEROUS ASSOCIATED BUILDINGS, 6 COOLING TANKS, 17 TALL AND 2 SMALL SMOKESTACKS, 9 SILOS, AND ADDITIONAL	3618N 12022E	0381		107

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City, Installation	Coordinates	WAC	Installation Numbers	
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<p>FACILITIES UNDER CONSTRUCTION. CLEAR</p> <p>CHENG-YANG AREA, BARRACKS AREAS SIX BARRACKS AREAS IN THE VICINITY OF CHENG-YANG (36-18N 120-22E) CONTAIN A TOTAL OF 166 BARRACKS AND 22 ADMINISTRATIVE AND 236 SUPPORT BUILDINGS. AREA A, 4 NM EAST OF CHENG-YANG AT 36-18N 120-27E, COMPRISES 2 BARRACKS AREAS AND ONE ADMINISTRATION AREA CONTAINING 18 BARRACKS AND 6 ADMINISTRATIVE AND 15 SUPPORT BUILDINGS. AREA B, 1.5 NM NORTH OF CHENG-YANG AT 36-19N 120-22E, COMPRISES 2 BARRACKS AREAS CONTAINING 52 BARRACKS, 4 ADMINISTRATIVE AND 68 SUPPORT BUILDINGS, AND SMALL ARMS FIRING RANGE. AREA C, 2.5 NM NNW OF CHENG-YANG AT 36-20N 120-21E, COMPRISES 2 BARRACKS AREAS CONTAINING 23 BARRACKS, 3 ADMINISTRATIVE AND 51 SUPPORT BUILDINGS, AND SMALL ARMS FIRING RANGE. AREA D, 4 NM NNE OF CHENG-YANG AT 36-22N 120-24E, COMPRISES 2 BARRACKS AREAS CONTAINING 16 BARRACKS AND 2 ADMINISTRATIVE AND 21 SUPPORT BUILDINGS. AREA E, 6 NM NORTH OF CHENG-YANG AT 36-24N 120-22E, COMPRISES 3 BARRACKS AREAS CONTAINING 23 BARRACKS AND 3 ADMINISTRATIVE AND 40 SUPPORT BUILDINGS. AREA F, 7 NM NW OF CHENG-YANG AT 36-23N 120-16E, COMPRISES 2 BARRACKS AREAS CONTAINING 34 BARRACKS AND 4 ADMINISTRATIVE AND 41 SUPPORT BUILDINGS.</p> <p>HAZE, CLOUD SHADOW</p>	3618N 12027E	0381		107-A

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City, Installation	Coordinates	WAC	Installation Numbers	
			BE	NPIC
CHIAO-HSIEN AIRFIELD 2.5 NM NNE OF CHIAO-HSIEN. APPROXIMATELY 6,600 X 200 FT NNW/SSE CONCRETE RUNWAY, SERVICEABLE. AIRCRAFT -- 37 BEAGLE (3 AIRBORNE). [REDACTED] SCATTERED CLOUDS	3619N 12002E	0381	[REDACTED]	9-B
TAI-YUAN--TAI-HSIEN RAILROAD THE TAI-YUAN--TAI-HSIEN (39-06N 112-58E) RAILROAD HAS BEEN EXTENDED NNE FROM KUO-HSIEN (38-53N 112-46E) TO TUNG-LIU-SHU (39-10N 113-12E) AND IS UNDER CONSTRUCTION SOUTH FROM TUNG-LIU-SHU TO A MINING AREA AT 39-05N 113-10E. [REDACTED]	3752N 11233E	0382	[REDACTED]	12-Q
YUAN-SHIH AIRFIELD 6 NM SE OF YUAN-SHIH. CIRCULAR AIRFIELD APPROXIMATELY 4,500 FT IN DIAMETER, NATURAL SURFACE, SERVICEABLE. AIRCRAFT -- 30 POSSIBLE UNIDENTIFIED AIRCRAFT. [REDACTED] HAZE, OBLIQUE	3746N 11434E	0382	[REDACTED]	17
CHI-HSIEN, PROBABLE STORAGE AREA CENTER OF CHI-HSIEN. AREA CONTAINS ONE ADMINISTRATIVE AND 30 STORAGE BUILDINGS. [REDACTED] SCATTERED CLOUDS	3734N 11533E	0382	[REDACTED]	27
KAO-CHENG AIRFIELD 4.1 NM SW OF KAO-CHENG. CIRCULAR AIRFIELD APPROXIMATELY 5,600 FT IN DIAMETER, NATURAL SURFACE, SERVICEABLE. AIRCRAFT -- NONE OBSERVED.	3800N 11445E	0382	[REDACTED]	8

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City, Installation	Coordinates	WAC	Installation Numbers	
			BE	NPIC
[REDACTED] CLEAR, OBLIQUE				
SHIH-MEN COMPLEX COMPLEX, 40 SQ MI IN AREA AND ON THE PEIPING--HAN-KOU RAILROAD LINE, COMPRISES 5 LARGE TEXTILE MILLS, IRON AND STEEL PLANT, THERMAL POWER PLANT, LARGE RAIL CLASSIFICATION YARD, NUMEROUS UNIDENTIFIED INDUSTRIES, EXTENSIVE WORKERS BARRACKS AND APARTMENT BUILDINGS, ARSENAL, MILITARY BARRACKS AREA, POSSIBLE MILITARY SCHOOL, AND AIRFIELD. [REDACTED] CLEAR, OBLIQUE	3803N 11429E	0382	[REDACTED]	11-B
HUO-LU MILITARY COMPLEX COMPLEX COMPRISES 7 AREAS IN VICINITY OF HUO-LU (38-05N 114-18E). AREA A, 7 NM ESE OF HUO-LU ON NW EDGE OF SHIH-MEN AT 38-03N 114-27E, CONTAINS APPROXIMATELY 10 BARRACKS AND 3 ADMINISTRATIVE AND 26 SUPPORT BUILDINGS. AREA B, 2.5 NM NNE OF HUO-LU AT 38-07N 114-20E, COMPRISES 2 AREAS CONTAINING APPROXIMATELY 28 BARRACKS AND ONE ADMINISTRATIVE AND 30 SUPPORT BUILDINGS. AREA C, 2 NM NE OF HUO-LU AT 38-06N 114-21E, COMPRISES 2 AREAS CONTAINING APPROXIMATELY 28 BARRACKS AND ONE ADMINISTRATIVE AND 30 SUPPORT BUILDINGS. AREA D, 3.5 NM SE OF HUO-LU AT 38-03N 114-22E, COMPRISES 2 AREAS CONTAINING 28 BARRACKS AND ONE ADMINISTRATIVE AND 30 SUPPORT BUILDINGS. AREA E, 1.5 NM SE OF HUO-LU AT 38-04N 114-19E, COMPRISES 2 AREAS CONTAINING APPROXIMATELY 20 BARRACKS AND 2 ADMINISTRATIVE AND 35 SUPPORT BUILDINGS. AREA F, SOUTH EDGE OF HUO-LU AT 38-04N	3805N 11418E	0382		29

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			BE	NPIC
114-18E, CONTAINS 35 STORAGE, ONE ADMINISTRATIVE, AND 4 SUPPORT BUILDINGS. AREA F, .5 NM NORTH OF HUO-LU AT 38-06N 114-18E, COMPRISES 2 AREAS CONTAINING 6 PROBABLE BARRACKS, 3 POSSIBLE VEHICLE SHEDS, AND ONE ADMINISTRATIVE AND APPROXIMATELY 10 SUPPORT BUILDINGS. [REDACTED] CLEAR, OBLIQUE				
SHIH-MEN AIRFIELD 4 NM NW OF SHIH-MEN. 8,200 X 200 FT NNW/SSE CONCRETE RUNWAY, SERVICEABLE. AIRCRAFT -- APPROXIMATELY 40 UNIDENTIFIED AIRCRAFT. [REDACTED] CLEAR, OBLIQUE	3805N 11425E	0382	[REDACTED]	11-A
PING-SHAN AREA, DAM 15 NM NW OF SHIH-MEN AND 4 NM ESE OF PING-SHAN ON THE HU-TO HO (RIVER). LARGE EARTHEN DAM. [REDACTED] CLEAR, OBLIQUE	3815N 11418E	0382		36
SHAN-TOU, DAM 4 NM NW OF PING-SHAN AT SHAN-TOU. LARGE EARTHEN DAM ON NAN-TIEN HO (RIVER). APPARENTLY UTILIZED FOR FLOOD CONTROL/IRRIGATION. [REDACTED] CLEAR, OBLIQUE	3818N 11411E	0382		33
CHU-YANG AREA, DAM APPROXIMATELY 7 NM NE OF CHU-YANG ON TANG HO (RIVER). COMPLETED LARGE EARTHEN DAM WITH PROBABLE SMALL HYDROELECTRIC POWER PLANT UNDER CONSTRUCTION.	3841N 11449E	0382		35

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City, Installation	Coordinates	WAC	Installation Numbers	
			BE	NPIC
[REDACTED] CLEAR				
PEI-YA-WU, DAM 10 NM NW OF CHU-YANG AT PEI-YA-WU. A LARGE NEARLY COMPLETED EARTHEN DAM ON THE TA-SHA HO (RIVER) APPARENTLY UTILIZED FOR FLOOD CONTROL/IRRIGATION. [REDACTED] CLEAR	3844N 11434E	0382		37
TING-HSIEN AREA, RR SPUR UNDER CONSTRUCTION RAIL SPUR IS UNDER CONSTRUCTION FROM TING-HSIEN (38-30N 115-00E) TO 38-47N 114-41E. [REDACTED]	3830N 11500E	0382		34
WANG-TU AREA, MILITARY INSTALLATIONS FOUR MILITARY INSTALLATIONS IN VICINITY OF WANG-TU (38-43N 115-09E) ON THE WEST SIDE OF THE PEIPING--HAN-KOU RAILROAD LINE COMPRISE -- AREA A, 6 NM SW OF WANG-TU AT 38-39N 115-02E, CONTAINS 26 BARRACKS, ONE ADMINISTRATIVE AND 50 SUPPORT BUILDINGS, SECURED STORAGE AREA WITH 6 REVEITED BUILDINGS, AND SMALL ARMS FIRING RANGE. AREA B, 5 NM NE OF WANG-TU AT 38-46N 115-11E, CONTAINS AT LEAST 2 LARGE ADMINISTRATIVE AND APPROXIMATELY 60 OTHER BUILDINGS. AREA C, 9 NM NE OF WANG-TU AT 38-48N 115-15E, CONTAINS 4 LARGE BARRACKS AND ONE LARGE ADMINISTRATIVE AND APPROXIMATELY 50 SUPPORT/STORAGE BUILDINGS. AREA D, 11 NM NE OF WANG-TU AT 38-49N 115-18E, CONTAINS AT LEAST 3 LARGE ADMINISTRATIVE AND APPROXIMATELY 60 OTHER BUILDINGS. [REDACTED] BLURRED IMAGE, CBLIQUE	3846N 11511E	0382		38

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City, Installation	Coordinates	WAC	Installation Numbers	
			BE	NPIC
CHING-YUAN AIRFIELD ONE NM SE OF CHING-YUAN. APPROXIMATELY 5,800 X 4,400 FT LANDING AREA, NATURAL SURFACE, SERVICEABLE. AIRCRAFT -- NONE OBSERVED. [REDACTED] HAZE, OBLIQUE	3850N 11531E	0382	[REDACTED]	2
CHING-YUAN COMPLEX COMPLEX, APPROXIMATELY 15 SQ MI IN AREA, COMPRISES AT LEAST 3 LARGE INDUSTRIES, SEVERAL SMALL INDUSTRIES, RAILROAD CLASSIFICATION YARD, RAILROAD STATION WITH YARDS/SHOPS, SEVERAL STORAGE AREAS, AND AT LEAST 2 BARRACKS AREAS. [REDACTED] HAZE, OBLIQUE	3852N 11530E	0382	[REDACTED]	2-C
CHING-SHUI-HO AIRFIELD 7 NM SSE OF HUAI-JEN. APPROXIMATELY 10,500 X 200 FT NE/SW CONCRETE RUNWAY, SERVICEABLE. AIRCRAFT -- 26 BEAGLE. [REDACTED] CLEAR	3944N 11310E	0382	[REDACTED]	28
LAN-CHOU COMPLEX INDUSTRIAL, TRANSPORTATION, AND ADMINISTRATIVE CENTER, APPROXIMATELY 50 SQ MI IN AREA, COMPRISES OIL REFINERY, ALUMINUM PLANT, CHEMICAL PLANT, NUMEROUS UNIDENTIFIED INDUSTRIES, THERMAL POWER PLANT, RAILROAD CLASSIFICATION YARDS, AIRFIELD, AND NUMEROUS MILITARY BARRACKS AREAS. [REDACTED]	3602N 10348E	0383	[REDACTED]	3-A

SECRET

NPIC/R-1275/63

City, Installation	Coordinates	WAC	Installation Numbers	
			BE	NPIC
LAN-CHOU AIRFIELD NO APPARENT CHANGE IN FACILITIES SINCE AIRCRAFT -- 2 CRATE, 2 CAB, AND 13 COLT. CLEAR	3602N 10352E	0383		1
HO-KOU, BARRACKS AREA 2 NM WSW OF HO-KOU. PROBABLE WORKERS HOUSING COMPOUND CONTAINS 80 BUILDINGS (10 UNDER CONSTRUCTION). CLEAR	3608N 10321E	0383		35

SECRET

SECRET

NPIC/R-1275/63

25X1

City, Installation	Coordinates	WAC	Installation Numbers	
			BE	NPIC
<p>LAN-CHOU AREA, COPPER COMPLEX APPROXIMATELY 40 NM NNE OF LAN-CHOU. COMPLEX INCLUDES SMELTER, MILL CONCENTRATOR AREA, AND, FROM THE MILL CONCENTRATOR AREA, PROBABLE OPEN PIT MINE LOCATED APPROXIMATELY 10 NM NORTH, EXTENSIVE HOUSING/SUPPORT AREA 2 NM WEST, AND RAILROAD CLASSIFICATION YARDS 10 NM WEST. WITHIN A 2 NM RADIUS OF MILL CONCENTRATOR AREA ARE 3 PROBABLE ASSOCIATED INDUSTRIES AND EXPLOSIVES STORAGE AREA CONTAINING 13 REVETTED BUILDINGS. ALL AREAS ARE RAIL SERVED.</p> <p>CLEAR, OBLIQUE</p>	3635N 10412E	0383		3-C
<p>A-KAN-CHEN AREA, COAL MINES 3 NM SOUTH OF A-KAN-CHEN AND 10 NM SSE OF LAN-CHOU. AREA CONTAINS HOUSING FACILITIES, POWER PLANT, SECURED EXPLOSIVES STORAGE, 2 RAIL-SERVED COAL TIPPLES, AND SEVERAL MINES.</p> <p>CLEAR</p>	3552N 10351E	0384		39
<p>LAN-CHOU AREA, EXPLOSIVES STORAGE APPROXIMATELY 30 NM SE OF LAN-CHOU. RAIL-SERVED STORAGE AREA CONTAINS 52 STORAGE BUILDINGS AND ONE LARGE UNLOADING/SHIPPING BUILDING. SUPPORT AREA LOCATED IMMEDIATELY EAST OF STORAGE AREA CONTAINS 10 BARRACKS AND ONE ADMINISTRATION AND 12 SUPPORT BUILDINGS.</p> <p>CLEAR</p>	3544N 10415E	0384		36
<p>CHIANG-KOU-CHIEH AREA, DAM & HE POWER PLANT ONE NM SOUTH OF CHIANG-KOU-CHIEH AND 6.5 NM SW OF HSIN-YU. SITE COMPRISES LARGE DAM AND OPERATIONAL HYDROELECTRIC POWER PLANT.</p>	2743N 11449E	0498		107

25X1

25X1

25X1

SECRET

25X1

SECRET

NPIC/R-1275/63 25X1

City, Installation	Coordinates	WAC	Installation Numbers	
			BE	NPIC
<div>SCATTERED CLOUDS</div>				
<div>HSIN-YU COMPLEX</div> <div>COMPLEX, APPROXIMATELY 5 SQ MI IN AREA, COMPRISES RAILROAD YARDS AND SHOPS, IRON AND STEEL PLANT, POL STORAGE, AND SEVERAL UNIDENTIFIED INDUSTRIES.</div> <div>CLEAR</div>	2747N 11455E	0498		108

25X1

25X1

SECRET

NPIC/R-1275/63 25X1

SUBJECT INDEX	PAGE
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CHING-YUAN AIRFIELD	13
KAO-CHENG AIRFIELD	9
KAO-MI AIRFIELD	4
LAN-CHOU AIRFIELD	14
LIU-TING AIRFIELD	7
PAO-TOU AIRFIELD	3
SHIH-MEN AIRFIELD	11
SHUANG-CHENG-TZU AREA, AIRSTRI	1
TSINGTAO AIRFIELD	7
TSINGTAO SEAPLANE STATION	5
WEI-HSIEN AIRFIELD	4
YUAN-SHIH AIRFIELD	9
<u>-BASIC SERVICES-</u>	
CHINA	
CHIANG-KOU-CHIEH AREA, DAM & HE POWER PLANT	15
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TING-HSIEN AREA, RR SPUR UNDER CONSTRUCTION	12

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NPIC/R-1275/63

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PAGE

-ELECTRONICS/COMMUNICATIONS-

CHINA

SHUANG-CHENG-TZU AREA, MICROWAVE TOWER

1

-INDUSTRY-

CHINA

A-KAN-CHEN AREA, COAL MINES
CHENG-YANG, UNIDENTIFIED INDUSTRY
IAN-CHOU AREA, COPPER COMPLEX

15

7

15

PAO-TOU AREA, INDUSTRIAL COMPLEX
SHIH-KUEI-TSUN, COAL MINING AREA

2

4

-MILITARY INSTALLATIONS-

CHINA

CHENG-YANG AREA, BARRACKS AREAS
CHING-TAO AREA, MILITARY BKS & STGE AREAS
HO-KOU, BARRACKS AREA
HUO-LU MILITARY COMPLEX
SHUANG-CHENG-TZU AREA, BKS & ELECTRONICS FAC
TA-FU TAO (ISLAND) GUN EMPLACEMENTS
WANG-TU AREA, MILITARY INSTALLATIONS
WEI-HSIEN AREA, BARRACKS AREAS

8

6

14

10

1

6

12

5

SECRET

25X1

SECRET

NPIC/R-1275/63 25X1

PAGE

-MISSILES-

CHINA

SHUANG-CHENG-TZU MISSILE TEST CENTER

1

-STORAGE-

CHINA

CHI-HSIEN, PROBABLE STORAGE AREA

9

LAN-CHOU AREA, EXPLOSIVES STORAGE

15

LIN-HO, STORAGE AREA

2

-URBAN COMPLEXES-

CHINA

CHING-TAO (TSINGTAO) COMPLEX

6

CHING-YUAN COMPLEX

13

HSIN-YU COMPLEX

16

LAN-CHOU COMPLEX

13

PAO-TOU COMPLEX

3

SHIH-MEN COMPLEX

10

TA-TUNG COMPLEX

4

WEI-HSIEN COMPLEX

5

-MISCELLANEOUS-

CHINA

TU-KO-MA-CHING, TEST RANGE

2

SECRET

25X1

SECRET

NPIC/R-1275/63

25X1

APPENDIX
EXPLANATION OF COLUMN HEADINGS
AND PHOTO REFERENCES

City, Installation -- This column contains the name of the city or town nearest the installation, followed by the name of the installation. If the name of the installation is not known, it is titled according to its function. The city and installation names are followed by a capsule description, where appropriate.

Coordinates -- Coordinates are referenced to the SW corner of the minute square. When the subject installation covers a wide area, coordinates are given for the approximate center of the installation.

WAC -- This column provides the World Aeronautical Chart number for the area in which the subject installation lies.

Installation Numbers -- The Installation Numbers column is divided into two subcolumns. The first subcolumn lists, when known, the BE installation number assigned to the target. The second subcolumn lists the installation number assigned by NPIC. Installation numbers, when used to reference an item, should be prefixed by the appropriate WAC number, since installation numbers are repeated from WAC to WAC. For example, there is an NPIC target number 0287-1 and an NPIC target number 0288-1. In each instance, the NPIC installation number is 1, but the installations appear on different WACs.

The photo reference indicates frame(s) on which the target appears, and conditions which affect interpretation of the target.

SECRET

25X1

~~SECRET~~

25X1

SECRET

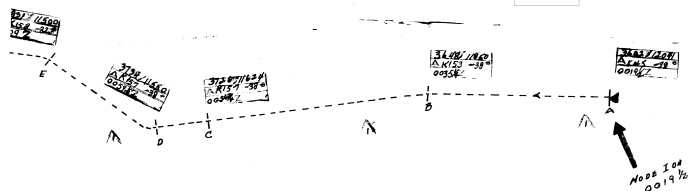
25X1

SECRET

25X1

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25X1

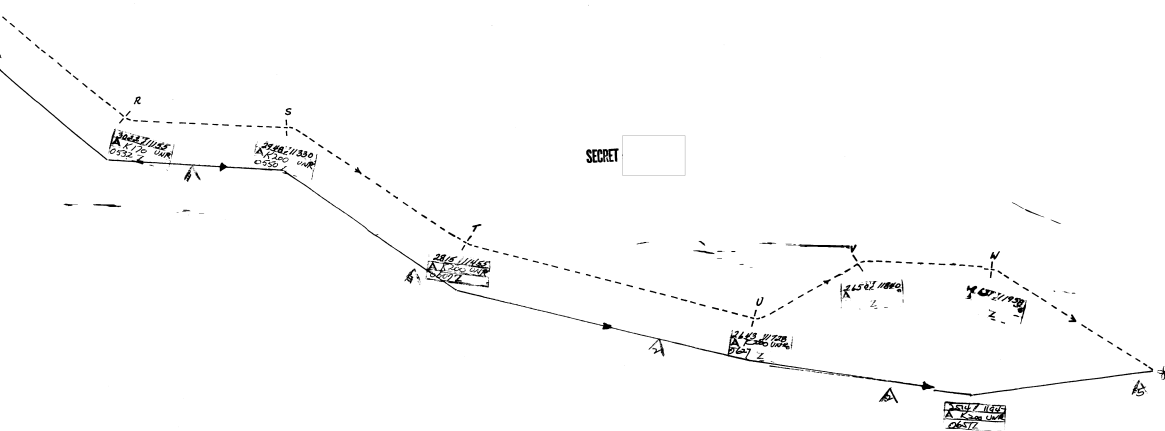


SECRET

25X1

SECRET

25X1



TAKEOFF: 27/2328Z
 LAND: 28/0725Z
 AC GEN ON: 27/2330Z
 AC GEN OFF: 28/0657Z
 SYS III VII ON TAKE-OFF OFF ON LANDING
 AUTO L-R AT T.O
 MODE I ON 0019Z MODE GRAY 0316Z
 MODE I ON 0340Z MODE GRAY AFTER DEPARTURE ON FILM
 TIME (minutes)

25X1

CONTROL TIMING FOR MISSION

GRC ~~141~~TAKE-OFF 2335 Z 1835 LOCAL

144

	Message Due	Briefing Due	Briefing Scheduled	Weather File Time
Preliminary			23/1800Z	23/1700Z
	T.O.-24	T.O.-26		
Alert	24/2335Z	24/2135Z	24/1800Z 1300L	24/1700Z
	T.O.-12	T.O.-14		
Mission Plan	25/1135Z	25/0935Z	^{1235L} 25/0935Z 0435L 0735L	^{1135L} 25/0835Z
	T.O.-2	T.O.-4		
GO-NO-GO	25/2135Z	25/1935Z	25/1800Z 1300L	25/1700Z

ALERT CHECKLIST

MSN NO. HF 63-03

ALERT BRIEFING TIME

ZRINLET-58

AFOOP/SA/J3-JRC

NPIC

SECURITY

INTELL

~~KWELL~~

DD/R Dr. Scoville -

WHITE HOUSE

26/1800Z

Due Time	Msg Prep	Msg Sent	
		26/1953Z	
		26/1905Z	
	see radio 4868		
		26/1922	
		26/1800	
		26/1800	
		26/2156Z	
		26/2150Z	
		26/2206Z	

HOUSE

25X1

25X1

25X1

25X1

25X1

Mission Plan WX Checklist

MSN NO. HF- 63-03

Mission Plan WX Briefing Time

ZRINLET-61 CARD

NPIC

DD/R Dr. Scoville

Due Time	Msg Prep	Msg Sent	
		26/1954Z	
		27/1400Z	
		N/A	

25X1

25X1

25X1

25X1

25X1

GO-NO-GO CHECKLIST

MSN NO. HF 63-03

GO NO GO WX Briefing Time

ZRINLET-7C

CARD

Due Time	Msg Prep	Msg Sent	
		<i>27/36</i>	<i>4899</i>

25X1
25X1

ALERT CHECKLIST

MSN NO. CRC-144

ALERT BRIEFING TIME

ZRINLET-58

AFOOP/SA/J3-JRC

NPIC

SECURITY

INTELL

KWBAIL

DD/R Dr. Scoville

WHITE HOUSE

26/1800Z			
Due Time	Msg Prep	Msg Sent	
		26/1905Z	
		26/2111Z	
		26/2032Z	
		26/2005Z	
		26/1800	
		26/1800	
		26/2156Z	
		26/2150Z	
		26/2206Z	

25X1

25X1

25X1

25X1

25X1

25X1

expanded data sent to AFOOP/SA - Schedule of
 events. Called [redacted] and explained that
 5th AF had asked for this. We will send to 5th [redacted]

25X1

Mission Plan WX Checklist

MSN NO. GRC - 144

Mission Plan WX Briefing Time		Due Time	Msg Prep	Msg Sent	
ZNRINLET-61					
NPIC					
DD/R Dr. Scoville					

!!!
CARD

26/1954Z
27/1304Z
27/1304Z
27/1346
27/1347

25X1
25X1
25X1
25X1
25X1

GO-NO-GO CHECKLIST

MSN NO. BRC-144

GO NO GO WX Briefing Time

ZRINLET-7C

CARD-

27/1807²

N/A

N/A

N/A

Due Time	Msg Prep	Msg Sent	

25X1

25X1

25X1

25X1

221-70 - Card and

25X1

TAKE OFF CHECKLIST

MSN NO. ^{HF} 63-03

Due Time	Msg Prep	Msg Sent	
AFOOP/SA/JRC		27/1751 Z	
		27/1802 Z	
DD/R Dr. Scoville		27/1832	

25X1

25X1

25X1

MSN # GRC-144

AFOOP/SA/JRC -

28/0038 Z

25X1

28/0039 Z

25X1

DDR -

DR. SCOVILLE -
(CALL UPON RTN)

28/0047 Z

25X1

→ (Call in Morning upon Results)

28/0052 Z

25X1

- called

28/0053 Z

25X1

- (WIFE TOOK TIME) -

28/0050 Z

SAID CALL

Ⓢ No Answer

25X1

@ OFFICE OR Home
28/0045 Z

28/0046 Z

Col. LEDFORD called in

28/0200 Z

25X1

25X1

LANDING CHECKLIST

HF
MSN NO. 6303

AFOOP/SA/JRC

DD/R Dr. Scoville

N/A

N/A

Due Time	Msg Prep	Msg Sent	
		27/2130Z	
		27/2150Z	

25X1

25X1

25X1

25X1

MSN NO. GRC-144

AFOOP/SA/JRC —

28/0826Z

25X1

— (CALL IN MORNING, UNLESS INCIDENT)

27/1335Z

25X1

DDR —

{ CALL UPON COMPLETION
OF FLT. - DR. SCOVILLE }

28/0825Z

25X1

HIS REQUEST:

— (CALL IN MORNING OF RESULTS)

28/1645Z

25X1

Page Denied

Next 9 Page(s) In Document Denied